

New Hampshire

2012-13 State Profile

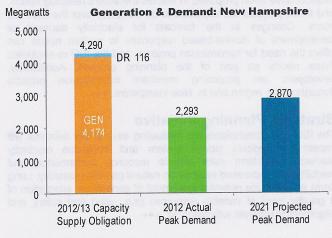
The New England electric grid is an 8,000-mile high-voltage transmission system that connects electric utilities, publicly-owned electric companies, power generators, suppliers, alternative resources, and end users in the six-state wholesale electricity marketplace. This is a brief profile of the electric grid and wholesale markets serving New Hampshire based on information from New England's regional system planning process and wholesale market reports.

Introduction

New Hampshire represents approximately 9% of the population in New England and 9% of the region's total electricity consumption. The state's demand for electricity is highly concentrated in the southern and seacoast areas. The state relies on both in-state resources and imports of power over the region's transmission system to serve electricity customers. Transmission, generation and demand resources are being added to ensure the reliability of the system.

Growth in Demand

In the 2012 Regional System Plan, ISO New England (ISO) forecasted the state's overall electricity demand to grow at a rate of 1.2% annually over the next decade, above the 0.9% rate projected for New England. The ISO forecasts the state's peak (summer) demand to grow 1.9% annually over the next decade, above the 1.5% rate projected for the region.



Energy Efficiency

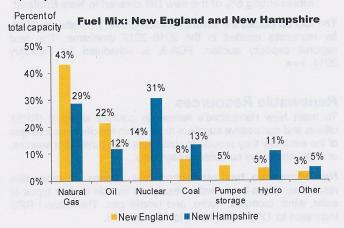
In 2012, the ISO completed its first energy-efficiency (EE) forecast to estimate the long-term effects of state-sponsored EE programs. Regionally, the EE forecast for 2015 to 2021 shows lower annual growth in peak demand (0.9%) than the traditional forecast (1.5%), and annual energy use is actually flat (0.0%) compared to a modest (0.9%) rate of growth under the traditional forecast. The results for New Hampshire show a slowing growth rate for peak demand with a total projected reduction in peak demand of 65 megawatts (MW) from 2015 to 2021. Under the EE forecast, the peak in 2021 will be about 4% lower than would be expected using the traditional forecast. For energy, the EE forecast shows a modest increase in energy use with total projected energy savings of nearly 400 million kilowatt hours by 2021. Under the EE forecast, the energy use in 2021 will be about 6% lower than would be expected using the traditional forecast.

Generating Resources

The total capacity of existing generating plants located in New Hampshire is approximately 4,100 MW. This is 13% of the total capacity in New England. About 4,200 MW in New Hampshire cleared in the Forward Capacity Market (FCM) with obligations to be available from June 1, 2012 to May 31, 2013. Generator availability has increased systemwide in New England since the start of competitive markets, from 81% in 1999 to 86% in 2011. At any given time, however, individual generators may not operate due to planned or unexpected outages, environmental restrictions, or other reasons. Some resources do not operate because their offers to sell electricity in the wholesale market are above the market-clearing price. In New Hampshire, generators are owned and operated by private generation companies and electric and municipal utilities. •••

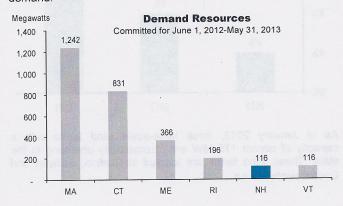
Fuel Mix

Natural gas is the primary fuel for more than 40% of the existing generating capacity in New England and about 30% in New Hampshire. Nuclear power also represents about 30% of the capacity in the state.



Demand Resources

New England has about 2,900 MW of customer-side Demand Resources (DR) that can reduce demand on the power grid through both active measures, such as shifting to on-site distributed resources, and passive measures, such as EE. New Hampshire has more than 100 MW of DR with obligations in the Forward Capacity Market, equivalent to 5% of the state's peak demand.



Proposals for New Resources

In order to connect to the grid, a proposed generator must be studied and approved under the ISO's Generator Interconnection Procedures to ensure the project will not adversely impact the reliability of the electric grid. This is known as the "queue" process.

At the start of 2013, approximately 260 MW of proposals in New Hampshire were active in the queue. This represents 5% of the proposals in New England. Historically, not all of the proposals in the queue have been developed, but proposals in the queue are an indication of the potential for new resources.

In New England, the FCM provides opportunities for existing and new generation, DR, and imports to compete to provide the capacity resources the region needs to meet future reliability requirements.

Resources must qualify, clear (i.e., be selected) in the auction, and then perform when called upon by the ISO to be eligible for capacity payments.

Through a series of annual auctions, ISO has procured resources to meet reliability needs for the seven-year period June 1, 2010 to May 31, 2017. In this period these auctions cleared:

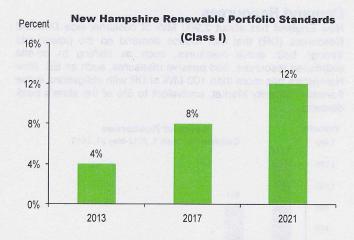
- More than 150 MW of new generation resources from New Hampshire, representing about 3% of the new generation cleared in New England, and
- About 150 MW of new DR from New Hampshire, representing 5% of the new DR cleared in New England.

The ISO conducted the seventh auction (FCA-7) in February 2013, for resources needed in the 2016–2017 timeframe. The next regional capacity auction, FCA-8, is scheduled for February 2014.

Renewable Resources

To meet New Hampshire's renewable portfolio standard (RPS), utilities and competitive suppliers must obtain specified percentages of the electricity they provide to customers from renewable sources, or make alternative compliance payments.

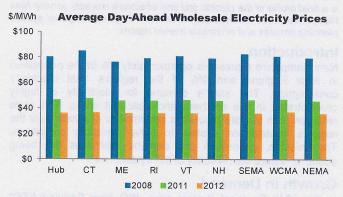
New Hampshire has established four classes of renewable resources. Class-I renewable resources include certain types of solar, wind, biomass, hydro, and landfill gas. The Class-I RPS increases to 12% in 2021 and to 16% in 2025.



As of January 2013, three large-scale wind farms with a capacity of almost 175 MW are commercially operating in the state. These wind farms are located in Grafton, Sullivan and Coos Counties.

Wholesale Market Prices

Locational pricing is a key feature of New England's wholesale electricity markets. The ISO administers Day-Ahead and Real-Time Energy Markets and calculates prices for eight zones in New England. Each state is one zone, except for Massachusetts, which has three zones: Southeastern (SEMA), Western/Central (WCMA), and Northeastern/Boston (NEMA). Average wholesale prices have dropped with lower demand and fuel prices. Prices remain below 2008 levels. In 2012, average wholesale electricity prices in New England fell to nearly 23% below prices in 2011, and 26% below prices in 2003, the year that competitive markets in their current form were introduced in the region.



Transmission

A recently-completed ISO study of the transmission system in New Hampshire has identified long term reliability needs throughout the state. Driven by population growth, significant infrastructure improvements are needed in the seacoast area. Transmission projects have been proposed to resolve the state's reliability needs, and these projects are expected to be complete over the next few years. Changes in the forecast for electricity demand or development of market-based responses to system needs can affect the need for transmission projects, and the ISO re-evaluates these needs as part of the planning process. Additionally, developers are proposing merchant transmission projects throughout the region and in New Hampshire.

Strategic Planning Initiative

The ISO and stakeholders are evaluating several key risks that will impact the region's power system and wholesale electricity markets. Near-term risks include resource performance and flexibility, and increased reliance on natural gas-fired capacity. Long-term risks include potential retirement of generators, integration of a greater level of variable resources (e.g., wind and solar), and alignment of markets with planning.

About ISO New England

ISO New England is the Independent System Operator responsible for ensuring the reliable operation of the New England electric grid, administration of the region's wholesale electricity markets, and administration of the regional Open Access Transmission Tariff, including regional system planning. The ISO is a not-for-profit corporation governed by an independent board of directors. The ISO does not own transmission or generation assets and has no financial interest in any companies participating in the region's wholesale electricity markets.

Sources and Additional Information

U.S. Census Bureau, 2012 Regional System Plan, 2011 Annual Markets Report, FCA results, and other public ISO information.

ISO New England: www.iso-ne.com

NH Public Utilities Commission: www.puc.state.nh.us



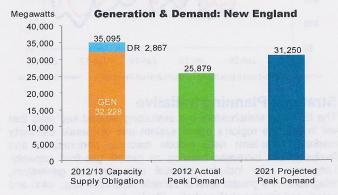
The New England electric grid is an 8,000-mile high-voltage transmission system that connects electric utilities, publicly-owned electric companies, power generators, suppliers, alternative resources, and end users in the six-state wholesale electricity marketplace. This is a brief profile of the electric grid and wholesale markets serving the region based on information from New England's regional system planning process and wholesale market reports.

Introduction

New England relies on both in-region resources and imports of power over the region's transmission system to serve electricity customers. Transmission, generation, and demand resources are being added to ensure that the reliability of the system is maintained. New England has 13 transmission ties to neighboring power systems that allow electricity trade with New York, New Brunswick, and Hydro Québec. New England is a net importer of electricity and in 2012 the region imported approximately 10% of its electricity over these ties.

Growth in Demand

In the 2012 Regional System Plan, ISO New England (ISO) forecasted the region's overall electricity demand to grow at a rate of 0.9% annually over the next decade. The ISO forecasts the region's peak (summer) demand to grow 1.5% annually over the next decade. The region's electricity demand peaks in the summer due to the use of air conditioning.



Energy Efficiency

In 2012, the ISO created the nation's first regional energy-efficiency (EE) forecast to help system planners estimate the long-term impact of state-sponsored EE programs on electricity consumption. The results of this forecast show that the six states will spend nearly \$5.7 billion on EE measures between 2015 and 2021. Over this period, the EE forecast shows lower annual growth in *peak demand* (0.9%) than the traditional forecast (1.5%), and annual *energy use* is actually flat (0.0%) compared to a modest (0.9%) rate of growth under the traditional forecast. These measures are expected to result in about a 12% reduction in energy use (9.4 billion kilowatt hours), and a 9% reduction in system peak demand (1,444 megawatts) in 2021.

Generating Resources

The total capacity of generating plants located in New England is about 32,000 megawatts (MW) based on summer capacity ratings. About 32,000 MW cleared in the Forward Capacity Market (FCM) with obligations to be available from June 1, 2012 to May 31, 2013.

New England

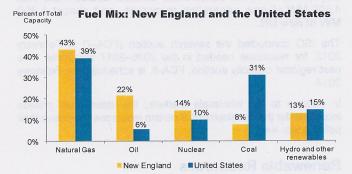
2012-13 Regional Profile

Generator availability has increased in New England since the start of competitive markets, from 81% in 1999 to 86% in 2011.

At any given time individual generators may not operate due to planned or unexpected outages, environmental restrictions, or other reasons. Some resources do not operate because their offers to sell electricity in the wholesale market are above the market clearing price. In New England, generators are owned and operated either by private generation companies or electric, municipal, or consumer-owned utilities.

Fuel Mix

New England and U.S. electric generating capacity by fuel type:

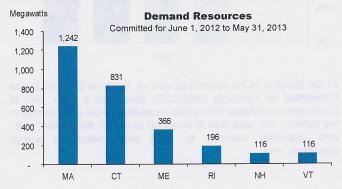


Electric generating capacity and energy production by fuel type:

| New England Generators by Fuel Type | % of Total Capacity 2012 | % of Electric Energy 2012 |
|--|-----------------------------|------------------------------|
| Natural gas | 43% | 52% |
| Oil | 22% | <1% |
| Nuclear | 14% | 31% |
| Coal | 8% | 3% |
| Hydro | 5% | 6% |
| Pumped storage | 5% | 1% |
| Other renewables | 3% | 7% |

Demand Resources

New England has about 2,900 MW of customer-side Demand Resources (DR) that can reduce demand on the power grid through both active measures, such as shifting to on-site distributed resources, and passive measures, such as EE.



Proposals for New Resources

In order to connect to the grid, a proposed generator must be studied and approved under the ISO's Generator Interconnection Procedures to ensure the project will not adversely impact the reliability of the electric grid. This is known as the "queue" process.

At the start of 2013, approximately 5,000 MW of proposals were active in the queue (primarily natural-gas-fired generation). Historically, not all of the proposals in the queue have been developed, but proposals in the queue are an indication of the potential for new resources.

In New England, the FCM provides opportunities for existing and new generation, DR, and imports to compete to provide the capacity resources the region needs to meet future reliability requirements.

Resources must qualify, clear (i.e., be selected) in the auction, and then perform when called upon by the ISO to be eligible for capacity payments.

Through a series of annual auctions, ISO has procured resources to meet reliability needs for the seven-year period June 1, 2010 to May 31, 2017. In this period these auctions cleared more than 4,500 MW of *new* generation resources, and almost 3,300 MW of *new* DR.

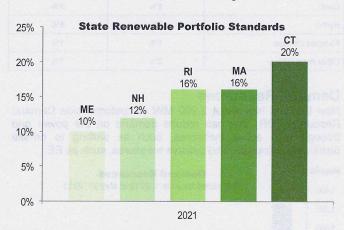
The ISO conducted the seventh auction (FCA-7) in February 2013, for resources needed in the 2016–2017 timeframe. The next regional capacity auction, FCA-8, is scheduled for February 2014.

In addition to the wholesale markets, the states may provide incentives for the development of certain resources to achieve their policy goals. •••

Renewable Resources

To meet renewable portfolio standards (RPS) adopted by five of the six New England states, utilities and competitive suppliers must obtain specified percentages of the electricity they provide to customers from renewable sources, or make alternative compliance payments. Vermont has a separate program of incentives to promote renewable resources.

In addition to RPS, states are pursuing other initiatives to develop renewable and non-carbon-emitting resources.



At the direction of the region's governors, the New England States Committee on Electricity (NESCOE) developed a work plan to implement coordinated competitive renewable power procurement in the region. The work plan is designed to identify the lowest "all-in" cost resources available to meet state renewable energy objectives.

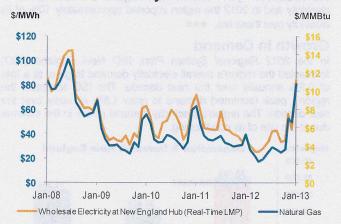
Transmission

Major transmission projects developed through the ISO's regional system planning process have been placed in service throughout New England since 2002 and several more are under construction, in the siting process, or under study. These projects are needed to ensure the reliability of the bulk electric grid. Changes in the forecast for electricity demand or development of market-based responses to system needs can affect the need for transmission projects, and the ISO re-evaluates these needs as part of the planning process.

Natural Gas

Natural gas is the dominant fuel used to produce electricity in New England and wholesale electricity prices track natural gas prices in the region. The increase in supply of relatively low-priced natural gas from the nearby Marcellus Shale contributed to wholesale electricity prices in New England that were 23% lower in 2012 compared to 2011. However, in early 2013, high demand for natural gas, combined with pipeline constraints into the region from the west and the south and the use of globally-priced liquefied natural gas, drove up natural gas and wholesale electricity prices in the region.

Wholesale Electricity and Natural Gas Prices



Strategic Planning Initiative

The ISO and stakeholders are evaluating several key risks that will impact the region's power system and wholesale electricity markets. Near-term risks include resource performance and flexibility, and increased reliance on natural gas-fired capacity. Long-term risks include potential retirement of generators, integration of a greater level of variable resources (e.g., wind and solar), and alignment of markets with planning.

About ISO New England

ISO New England is the Regional Transmission Organization responsible for ensuring the reliable operation of the New England electric grid, administration of the region's wholesale electricity markets, and administration of the regional Open Access Transmission Tariff, including regional system planning. The ISO is a not-for-profit corporation governed by an independent board of directors. The ISO does not own transmission or generation assets and has no financial interest in any companies participating in the region's wholesale electricity markets.

Sources and Additional Information

U.S. Census Bureau, 2012 Regional System Plan, 2011 Annual Markets Report, FCA results, and other public ISO information. ISO New England: www.iso-ne.com; or www.isonewswire.com

GENERATION LOCATED IN NEW HAMPSHIRE

| Generator Name | Net-Metered | Fuel Type | Alt Fuel | Current Lead Participant | Winter Capacity | Summer Capacity |
|---|---|--|---------------|--|--------------------|--------------------|
| MERRIMACK 2 | | COAL | | PSNH PSNH | 330.0 108.0 | 330.0 108.0 |
| MERRIMACK 1 | | COAL/OIL | FO6 | PSNH | 48.0 | 47.5 |
| SCHILLER 4 SCHILLER 6 | | COAL/OIL | F06 | PSNH | 48.0 | 47.8 |
| GRANITE RIDGE ENERGY | 14. | GAS | | Merrill Lynch Commodities, Inc | 770.2 | 661.3 |
| BELLOWS FALLS | | HYDRO: PONDAGE | 5 F G E | TransCanada Power Marketing, L | 48.5 41.2 | 48.5 39.1 |
| WILDER | 111 | HYDRO: PONDAGE HYDRO: PONDAGE | | TransCanada Power Marketing, L PSNH | 17.0 | 16.8 |
| AMOSKEAG MCINDOES | | HYDRO: PONDAGE | | TransCanada Power Marketing, L | 10.0 | 10.1 |
| AYERS ISLAND | 100 | HYDRO: PONDAGE | 1807 | PSNH | 9.0 | 8.5 |
| EASTMAN FALLS | | HYDRO: PONDAGE | 199.15 | PSNH | 6.0 | 5.6 |
| MOORE | | HYDRO: RESERVOIR | | TransCanada Power Marketing, L | 191.2 | 189.0 |
| COMERFORD | | HYDRO: RESERVOIR HYDRO: RESERVOIR | | TransCanada Power Marketing, L PSNH | 168.7 3.5 | 166.1 3.6 |
| JACKMAN SMITH | | HYDRO: RESERVOIR HYDRO: RUN OF RIVER | | PSNH | 15.9 | 11.7 |
| GREAT LAKES - BERLIN | NET METERED | HYDRO: RUN OF RIVER | AD 1.180 | Brookfield Energy Marketing, L | 10.4 | 9.3 |
| PONTOOK HYDRO | | HYDRO: RUN OF RIVER | | Brookfield Energy Marketing, L | 8.6 | 4.3 |
| GARVINS/HOOKSETT | 48 | HYDRO: RUN OF RIVER | | PSNH | 6.5 | 12.5 |
| PENNACOOK FALLS LOWER | - 59 | HYDRO: RUN OF RIVER | AST 1, 5 2 19 | PSNH PSNH | 2.4 | 0.4 |
| BRIAR HYDRO | | HYDRO: RUN OF RIVER HYDRO: RUN OF RIVER | | PSNH | 2.0 | 1.7 |
| PENNACOOK FALLS UPPER | 1.0 | HYDRO: RUN OF RIVER | 5.0.75 | PSNH | 1.8 | 0.3 |
| GORHAM | 1.00 | HYDRO: RUN OF RIVER | 100 | PSNH | 1.7 | 2.0 |
| MINE FALLS | 1995 500 | HYDRO: RUN OF RIVER | | PSNH | 1.3 | 0.0 |
| PEMBROKE | 38 | HYDRO: RUN OF RIVER | 31.19 | PSNH | 1.2 | 0.0 |
| MILTON MILLS HYDRO | 198 | HYDRO: RUN OF RIVER HYDRO: RUN OF RIVER | | PSNH PSNH | 1.1 | 0.3 |
| GREGGS | 3135 | HYDRO: RUN OF RIVER | 100 | PSNH | 1.0 | 0.1 |
| ROLLINSFORD HYDRO | | HYDRO: RUN OF RIVER | | PSNH | 0.9 | 0.0 |
| NEWFOUND HYDRO | and the later | HYDRO: RUN OF RIVER | | PSNH | 0.8 | 0.2 |
| NASHUA HYDRO | ale i en Paris | HYDRO: RUN OF RIVER | | PSNH | 0.7 | 0.1 |
| GREAT FALLS LOWER | - 19 | HYDRO: RUN OF RIVER | | PSNH PSNH | 0.6 0.5 | 0.0 |
| FRANKLIN FALLS | | HYDRO: RUN OF RIVER HYDRO: RUN OF RIVER | | TransCanada Power Marketing, L | 0.5 | 0.3 |
| MASCOMA HYDRO ASHUELOT HYDRO | | HYDRO: RUN OF RIVER | | Massachusetts Municipal Wholesale | 0.5 | 0.1 |
| RIVER BEND | 2 1 10 10 10 10 10 10 10 10 10 10 10 10 1 | HYDRO: RUN OF RIVER | | PSNH | 0.5 | 0.3 |
| MINIWAWA | CONTRACTOR | HYDRO: RUN OF RIVER | | Littleton Electric Light & Water | 0.5 | 0.1 |
| LOWER ROBERTSON DAM | | HYDRO: RUN OF RIVER | | Massachusetts Municipal Wholesale | 0.5 | 0.1 |
| CHINA MILLS DAM | NET METERED | HYDRO: RUN OF RIVER HYDRO: RUN OF RIVER | 0.198(0.00) | PSNH PSNH | 0.5 | 0.0 |
| SWANS FALLS WEST HOPKINTON HYDRO | | HYDRO: RUN OF RIVER | | CHI Power Marketing, Inc. | 0.4 | 0.0 |
| LOCHMERE DAM | | HYDRO: RUN OF RIVER | | PSNH | 0.4 | 0.2 |
| WESTON DAM | | HYDRO: RUN OF RIVER | | PSNH | 0.3 | 0.2 |
| BATH ELECTRIC HYDRO | | HYDRO: RUN OF RIVER | | PSNH | 0.3 | 0.2 |
| LISBON HYDRO | | HYDRO: RUN OF RIVER HYDRO: RUN OF RIVER | | PSNH Green Mountain Power Corp | 0.3 | 0.2 |
| LOWER VALLEY HYDRO U5 WOODSVILLE HYDRO U5 | | HYDRO: RUN OF RIVER | | Green Mountain Power Corp | 0.2 | 0.1 |
| COCHECO FALLS | | HYDRO: RUN OF RIVER | | PSNH | 0.2 | 0.0 |
| LAKEPORT DAM | | HYDRO: RUN OF RIVER | | PSNH | 0.2 | 0.1 |
| SPAULDING POND HYDRO | | HYDRO: RUN OF RIVER | | PSNH | 0.2 | 0.0 |
| SUNAPEE HYDRO | | HYDRO: RUN OF RIVER HYDRO: RUN OF RIVER | | PSNH PSNH | 0.2 | 0.0 |
| AVERY DAM | | HYDRO: RUN OF RIVER | | PSNH | 0.2 | 0.0 |
| SWEETWATER HYDRO U5 | | HYDRO: RUN OF RIVER | | Green Mountain Power Corp | 0.2 | 0.0 |
| PETERBOROUGH UPPER HYDRO | | HYDRO: RUN OF RIVER | | PSNH | 0.2 | 0.0 |
| HOPKINTON HYDRO | | HYDRO: RUN OF RIVER | | Sterling Municipal Electric Light | 0.2 | 0.0 |
| FISKE HYDRO | | HYDRO: RUN OF RIVER HYDRO: RUN OF RIVER | | PSNH PSNH | 0.2 | 0.0 |
| PETERBOROUGH LOWER HYDRO | | HYDRO: RUN OF RIVER | | PSNH | 0.1 | 0.0 |
| SALMON BROOK STATION 3 | | HYDRO: RUN OF RIVER | | PSNH | 0.1 | 0.0 |
| HILLSBORO MILLS | | HYDRO: RUN OF RIVER | | PSNH | 0.1 | 0.0 |
| WATSON DAM | | HYDRO: RUN OF RIVER | | PSNH | 0.1 | 0.0 |
| OLD NASH DAM | ļ | HYDRO: RUN OF RIVER HYDRO: RUN OF RIVER | | PSNH PSNH | 0.1 | 0.0 |
| NOONE FALLS | | HYDRO: RUN OF RIVER | | PSNH | 0.1 | 0.0 |
| BALTIC MILLS - QF | | HYDRO: RUN OF RIVER | | Sterling Municipal Electric Light | 0.1 | 0.0 |
| WYANDOTTE HYDRO | | HYDRO: RUN OF RIVER | | PSNH | 0.1 | 0.0 |
| RIVER MILL HYDRO | | HYDRO: RUN OF RIVER | | Middleton Municipal Light Dept | 0.0 | 0.0 |
| EASTMAN BROOK U5 | | HYDRO: RUN OF RIVER | | PSNH PSNH | 0.0 | 0.0 |
| WATERLOOM FALLS | | HYDRO: RUN OF RIVER HYDRO: RUN OF RIVER | | PSNH | 0.0 | 0.0 |
| OTIS MILL HYDRO SUNNYBROOK HYDRO 2 | NET METERED | HYDRO: RUN OF RIVER | | PSNH | 0.0 | 0.0 |
| CLEMENT DAM | | HYDRO: RUN OF RIVER | | PSNH | 0.0 | 0.0 |
| STEVENS MILL | | HYDRO: RUN OF RIVER | | PSNH | 0.0 | 0.0 |
| SUGAR RIVER HYDRO | | HYDRO: RUN OF RIVER | | PSNH | 0.0 | 0.0 |
| GREAT FALLS UPPER | NET METERED | HYDRO: RUN OF RIVER | | PSNH PSNH | 0.0 | 0.0 |
| | | | | | | |
| HOSIERY MILL DAM STEELS POND HYDRO | | HYDRO: RUN OF RIVER HYDRO: RUN OF RIVER | | PSNH | 0.0 | 0.0 |

GENERATION LOCATED IN NEW HAMPSHIRE

| Generator Name | Net-Metered | Fuel Type | Alt Fuel | Current Lead Participant | Winter Capacity | Summer Capacity |
|-------------------------------|--|---------------------|----------------|--------------------------------|--------------------|--------------------|
| CHAMBERLAIN FALLS | | HYDRO: RUN OF RIVER | | PSNH | 0.0 | 0.0 |
| MONADNOCK PAPER MILLS | NET METERED | HYDRO: RUN OF RIVER | | PSNH | 0.0 | 0.0 |
| HADLEY FALLS | | HYDRO: RUN OF RIVER | | PSNH | 0.0 | 0.0 |
| OTTER LANE HYDRO | | HYDRO: RUN OF RIVER | 100 | PSNH | 0.0 | 0.0 |
| PETTYBORO HYDRO U5 | | HYDRO: RUN OF RIVER | | PSNH | 0.0 | 0.0 |
| LOWER VILLAGE HYDRO U5 | | HYDRO: RUN OF RIVER | Marie Ling | Green Mountain Power Corporati | 0.0 | 0.0 |
| SUGAR RIVER 2 | | HYDRO: RUN OF RIVER | 100 | PSNH | 0.0 | 0.0 |
| D.D. BEAN | NET METERED | HYDRO: RUN OF RIVER | | Constellation NewEnergy, Inc. | 0.0 | 0.0 |
| WHITE LAKE JET | See Transaction Co. | JET FUEL | Section of the | PSNH | 22.4 | 17.4 |
| MERRIMACK CT1 | | JET FUEL | 10 30 00 | PSNH | 21.7 | 16.8 |
| MERRIMACK CT2 | 4, | JET FUEL | 0.000 | PSNH | 21.3 | 16.8 |
| SCHILLER CT 1 | | JET FUEL | | PSNH | 18.5 | 17.6 |
| LOST NATION | | JET FUEL | | PSNH | 18.0 | 14.0 |
| UNH POWER PLANT | | LANDFILL GAS | 1960 | PSNH | 4.4 | 3.0 |
| ROCHESTER LANDFILL | | LANDFILL GAS | | New Hampshire Electric Coopera | 2.5 | 2.4 |
| FOUR HILLS LANDFILL | | LANDFILL GAS | | PSNH | 0.7 | 0.7 |
| TURNKEY LANDFILL | | LANDFILL GAS | May 1 | PSNH | 0.6 | 0.5 |
| FOUR HILLS LOAD REDUCER | 44 | LANDFILL GAS | 10 10 10 10 | PSNH | 0.0 | 0.0 |
| DUNBARTON ROAD LANDFILL | | LANDFILL GAS | | PSNH | 0.0 | 0.0 |
| SEABROOK | | NUCLEAR | | NextEra Energy Power Marketing | 1247.0 | 1247.1 |
| EP NEWINGTON ENERGY, LLC | - P | OIL/GAS | FO2 | Essential Power Newington, LLC | 561.0 | 523.0 |
| NEWINGTON 1 | • 10 | OIL/GAS | NG | PSNH | 400.0 | 400.2 |
| SCHILLER 5 | | REFUSE | FO6 | PSNH | 43.0 | 43.1 |
| BETHLEHEM | The state of the s | REFUSE | | GDF Suez Energy Marketing NA, | 15.5 | 15.5 |
| SES CONCORD | | REFUSE | F06 | PSNH | 12.0 | 12.1 |
| MANCHESTER-BOSTON REGIONAL PV | NET METERED | SOLAR | | PSNH | 0.0 | 0.0 |
| FAVORITE FOODS PV | NET METERED | SOLAR | | PSNH | 0.0 | 0.0 |
| MIDDLETON BUILDING SUPPLY | | STEAM | | PSNH | 0.0 | 0.0 |
| WHEELABRATOR CLAREMONT U5 | | STEAM/REFUSE | 170 - 120 | PSNH | 3.8 | 3.9 |
| GRANITE RELIABLE POWER LLC | | WIND | | Granite Reliable Power, LLC | 23.8 | 9.9 |
| GROTON WIND | | WIND | | Iberdrola Renewables, LLC | 10.3 | 9.8 |
| LEMPSTER WIND | | WIND | | PSNH | 8.2 | 2.4 |
| TAMWORTH | | WOOD/REFUSE | | GDF Suez Energy Marketing NA, | 18.9 | 19.2 |
| DG WHITEFIELD, LLC | | WOOD/REFUSE | | Exelon Generation Company, LLC | 16.6 | 16.0 |
| HEMPHILL 1 | | WOOD/REFUSE | 3 | Springfield Power, LLC | 15.9 | 16.2 |
| INDECK ALEXANDRIA | | WOOD/REFUSE | | Indeck Energy-Alexandria, L.L. | 15.0 | 15.0 |
| BRIDGEWATER | | WOOD/REFUSE | | Bridgewater Power Company L.P. | 15.0 | 14.6 |
| CONCORD STEAM | | WOOD/REFUSE | | Unitil Energy Systems, Inc. | 0.2 | 0.0 |
| ZBE-001 | NET METERED | WOOD/REFUSE | FO2 | PSNH | 0.0 | 0.0 |

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REGULATED ENERGY UTILITIES in NEW HAMPSHIRE

Regulated Electric Utilities

| | MWH Sold | Operating Revenues | Avg. # of customers | Peak Load (MW) |
|----------|------------|--------------------|---------------------|-------------------|
| PSNH | 7,820,831 | \$ 1,011,361,140 | 500,089 | 1634 |
| UES | 1,195,431 | 128,265,068 | 76,651 | 278 |
| Liberty | 911,923 | 78,226,535 | 42,408 | 193 |
| NHEC* | 750,839 | 115,604,473 | 78,845 | 165 |
| NH Total | 10,679,024 | \$1,333,457,216 | 697,993 | |

Sources: 2012 FERC Form 1 Annual Reports, 12/31/2012 NHPUC Form F-1

* 2012 Annual Report, NHEC

Regulated Gas Utilities

| | Operating Revenues | Avg. # of customers |
|----------|--------------------|---------------------|
| Liberty | \$ 119,363,340 | 88,700 |
| Northern | 53,819,548 | 29,525 |
| NH Gas | 3,395,589 | 1,251 |
| NH Total | \$176,577,477 | 119,476 |

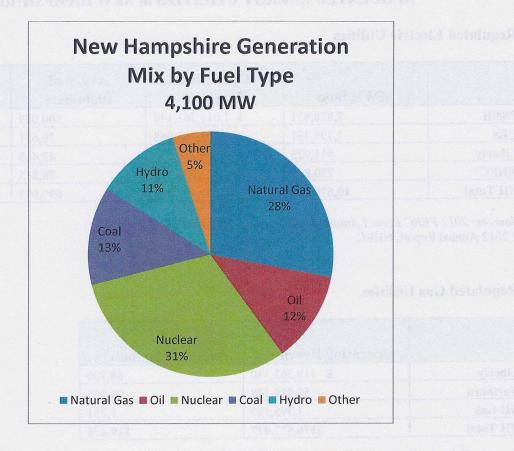
Source: Calendar Year ended December 31, 2012 Annual Reports

Regulated Steam Utility

| | Operating Revenues | Avg. # of customers |
|------------------------|--------------------|---------------------|
| Concord Steam Corp. | \$4,400,472 | Type a model way 1 |

Source: Calendar Year ended December 31, 2012 Annual Report

FUEL MIX IN NEW HAMPSHIRE



NUCLEAR GENERATION Primarily Regulated by Nuclear Regulatory Commission

Seabrook

1200 MW Pressurized Water Reactor

Seabrook, New Hampshire

Owned by NextEra

1,100 employees

License expires 2030, relicensure process under way for extension to 2050

Nuclear Decommissioning Finance Committee oversees decommissioning trust to assure adequacy of funds when it is time to decommission the plant

Vermont Yankee

600 MW Boiling Water Reactor

Vernon, Vermont

Owned by Entergy

640 employees (approx. 170-200 live in NH)

Announced it will close by December 2014 for economic reasons

Company has 60 years to complete decommissioning

The following 16 Competitive Energy Power Suppliers (CEPS) are currently registered to sell energy in New Hampshire:

- ConEdison Solutions
 Burlington, MA 01803
- Constellation NewEnergy, Inc. Boston, MA 02116
- ENH Power
 Auburn, Maine 04211
- FairPoint Energy, LLC Stamford, CT 06901
- Glacial Energy of New England, Inc.
 Sandwich, MA 02563
- Gulf Oil Limited Partnership d/b/a Gulf Electricity; Gulf Energy Framingham, MA 01702
- Hess Corporation
 Woodbridge, NJ 07095
- Integrys Energy Services, Inc. Manchester, NH 03104

- NextEra Energy Services New Hampshire, LLC Houston, Texas 77070
- Noble Americas Energy Solutions LLC San Diego, CA 92101
- North American Power and Gas, LLC Norwalk, CT 06850
- People's Power & Gas, LLC Tampa, FL 33610
- PNE Energy Supply, LLC Auburn, NH
- South Jersey Energy Company d/b/a Halifax American Energy Company Manchester, NH 03101
- TransCanada Power Marketing Ltd.
 Westborough, MA 01581-2863
- XOOM Energy New Hampshire, LLC Huntersville, NC 28078

The following 45 electricity aggregators are currently registered to operate in New Hampshire:

- 5Linx Enterprises, Inc. Rochester, NY 14623
- Abworth Energy Deerfield, NH 03037
- Accelerate Energy, Inc. Worcester, MA 01607
- Acclaim Energy, Ltd. Houston, TX 77010
- ALLMass Energy, LLC Haverhill, MA 01830
- Alternate Power Source Inc. Mansfield, MA 02048
- Amerex Brokers, LLC Sugarland, TX 77478
- America Approved Commercial, LLC
 Fort Myers, FL 33919
- American Utility Management Oak Brook, IL 60523
- Ameresco, Inc Framingham, MA 01701
- ANE American New Energy Nashua, NH 03064

- Arbena Energy, LLC
 West Hartford, CT 06119
- Atlantic Group Energy, Inc. West Yarmouth, MA 02673
- Atlantic Power Partners, LLC Centerville, MA 02632
- Atlas Commodities, LLC Houston TX 77046
- Axsess Energy Group, LLC Northborough, MA 01532
- BidURenergy, Inc. Buffalo, NY 14225
- Blue2Green LLC Derry, NH 03038
- Bradley R. Lewis Overland Park, KS 66223
- Capital Energy, Inc. New York, NY 10038
- Commercial and Industrial Energy Solutions, LLC Norwalk, CT 06851
- Competitive Energy Services Portland, ME 04101

- Consumer Energy Solutions, Clearwater, FL 33756
- Cost Cutters Alliance Corp d/b/a Our Town Energy Alliance Center Barnstead, NH 03225
- Drumlin Downe Enterprises
 East Kingston, NH 03827
- E Source Companies LLC Boulder, CO 80301
- Economy Utility d/b/a The Fuel Club Claremont, NH 03743
- Ecova, Inc. Spokane, WA 99201
- Electricity Analytics, LLC Huntington Beach, CA 92646
- EMEX, LLC. Houston, TX 77042
- Enbrook LLC Deerfield, NH 03037
- Energy Choice, Inc. Somerville, MA 02144

- Energy Market Exchange and EMEX Power Houston, TX 77042
- Energy New England, LLC Foxborough, MA 02035
- Energy Professionals, LLC Clearwater, FL 33760
- Energy Trust, LLC d/b/a General Tuesday Energy Baltimore, MD 21230
- EnergyRebate Inc.
 Ashland MA. 01721
- EnerNOC, Inc. Boston, MA 02210
- EP Energy, LLC Auburn, NH 03032
- Fidelity Energy Group, LLC. Las Vegas, NV 89128
- First Choice Energy Branford, CT 06405
- Freedom Logistics LLC d/b/a Freedom Energy Logistics Manchester, NH 03101
- Freedom Ring Communications, L.L.C. d/b/a Bay Ring Communications Portsmouth, NH 03801
- Global Energy Market Services Monroeville, PA 15146
- Global Montello Group Corp. Providence, RI 02908
- GoldStar Energy Group, Inc. Mays Landing, NJ 08330
- Good Energy, L.P.
 New York, NY 10016
- Green Power Management Holding, Inc.
 Newmarket, NH 03857
- HealthTrust Purchasing Group, Brentwood, TN 37027
- Hospital Energy Services Middletown, CT 06457
- inCharge LLC Somerville, MA 02143
- Innovative Energy Advisors Red Bank, NJ 07701
- Kevin J. Cobb & Associates d/b/a Quest Energy Solutions Auburn, MA 01501
- L5E, LLC Irving, Texas 75062

- Legacy Energy Group Warrenton, VA 20186
- Maneri-Agraz, LLC Houston, TX 77043
- Mark Feldman d/b/a Ridgeway Energy Needham, MA 02492
- Metromedia Power, Inc. Westborough, MA 01581
- MRDB Holdings LP d/b/a LPB Energy Management/LPB Consulting Dallas, TX 75251
- MSI Utilities, Inc. Dublin, Ohio 43017
- Municipal Power Group Warner, NH 03278
- Nashua Regional Planning Commission
 Merrimack, NH 03054
- National Utility Service, Inc. d/b/a NUS Consulting Group Park Ridge, NJ 07656-0712
- Northeast Energy Partners, LLC d/b/a National Energy Partners Enfield, CT 06082
- Ollinger Global Power Consultants Kingston, MA 02364
- Patriot Energy Group, Inc. Burlington MA 01803
- Pinnacle Energy Services, LLC Baltimore, MD 21230
- PJM Wholesale Brokers, LLC d/b/a NEISO Power Brokers Hamilton, NJ 08690
- Pope Energy Charlestown, MA 02129
- Power Management Co. d/b/a PMC Lightsavers Victor, NY 14564
- Provider Power Auburn, ME 04211
- PurePath Energy, LLC Hampstead, NH 03841
- Resident Power Natural Gas & Electric Solutions, LLC Manchester, NH 03101
- Resource Energy Systems, LLC Stamford, CT 06905
- Retention and Operations Group d/b/a Surpass, LLC Bedford, NH 03110

- Risk Services Group, Inc. Shrewsbury, MA 01545
- RJT Energy Consultants, LLC North Haven, CT 06473
- Satori Enterprises LLC Chicago, IL 60661
- Secure Energy Solutions, LLC East Longmeadow, MA 01028
- Single Source Energy Solutions Norwell, MA 02061
- SourceOne Inc Boston, MA 02114
- Sprague Operating Resources Portsmouth, NH 03801
- Standard Power of America Merrimack, NH 03054-4800
- Stanley Energy, LLC Merrimack, NH 03054
- Summerview Energy, LLC Derry, NH 03038
- Summit Energy Service, Inc. Louisville, KY 40223
- Switch Energy Boston ,MA2116
- Taylor Consulting and Contracting, LLC Avoca, PA 18641
- TFS Energy Solutions, LLC d/b/a Tradition Energy Stamford, CT 06901
- Titan Energy-New England Inc. Kingston, NH 03848
- Ultimate Energy Advisors, LLC Dallas, TX 75248
- UMG, Inc. Hampton, NH 03843-0310
- Unified Energy Services, LLC Houston, TX 77027
- US Energy Management Services New Canaan, CT 06840
- Usource, L.L.C. Hampton, NH 03842
- Utilities Analyses, Inc. Suwanee GA 30024
- Utility Choice Savings Weare, NH, 03281
- White Columns Office Solutions of New England, LLC East Hampstead, NH 03826
- World Energy Solutions, Inc. Worcester, MA 01608

NH APPROVED REC FACILITIES 10-04-13

Approved Facilities by Location

Approved Facilities by Class

Capacity
(MV) Facilities
Class II 3.230 239
Class II 122.067 19
Class IV 40.715 47
Total 793.75039 356

| | ij | ΠZ | NIV | Total |
|--|-----|----|-----|-------|
| STREET, STREET | | 1 | | וסנמ |
| Class I | 20 | 17 | 14 | 51 |
| Class II | 238 | | 0 | 239 |
| Class III | 9 | 9 | 7 | 19 |
| Class IV | 35 | 12 | 0 | 47 |
| Total | 299 | 36 | 21 | 356 |

NE NE

150

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250

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Class IV

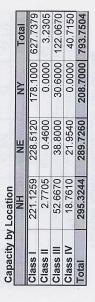
Class III

Class II

Class I

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Class IV

Class III

Class II

Class I

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|-----------|------|-----|-----|-------|
| Class I | 39% | 33% | 27% | 100% |
| Class II | 100% | %0 | | 100% |
| Class III | 32% | 32% | 37% | 100% |
| Class IV | 74% | 26% | | 100% |
| Total | 84% | 10% | %9 | 100% |

| | | 돌 | | * 2 | | | Total | Total |
|-----------|-----|----------|-----|----------|----|-------------|------------|----------|
| | H | Capacity | NE* | Capacity | N | NY Capacity | Facilities | Capacity |
| Class I | 20 | 221.126 | 17 | 228.512 | 14 | 178.100 | 51 | 627.738 |
| Class II | 238 | 2.770 | - | 0.460 | 0 | 00000 | 239 | 3.230 |
| Class III | 9 | 52.667 | 9 | 38.800 | 7 | 30.600 | 19 | 122.067 |
| Class IV | 35 | 18.761 | 12 | 21.954 | 0 | 0.000 | 47 | 40.715 |
| Total | 299 | 295.324 | 36 | 289.726 | 21 | 208.700 | 356 | 793.750 |

| | NUMBER | NUMBER OF GENERATORS | TORS | | Z | NAMEPLATE CAPACITY (MM | APACITY (MW) | (|
|-----------|--------|----------------------|------|---------|---------|------------------------|--------------|---------|
| | IZ | *#W | λ | Total | ŦZ | *#N | NY | Total |
| Class I | 20 | 17 | 14 | 51 | 221.126 | 228.512 | 178.100 | 627.738 |
| Class II | 238 | | 0 | 239 | 2.770 | 0.460 | 0.000 | 3.230 |
| Class III | ဖ | 9 | 7 | 19 | 52.667 | 38.800 | 30.600 | 122.067 |
| Class IV | 35 | 12 | 0 | 47 | 18.761 | 21.954 | 0.000 | 40.715 |
| Total | 299 | 36.000 | 21 | 356.000 | 295.324 | 289.726 | 208.700 | 793.750 |

'New England States (not including NH)

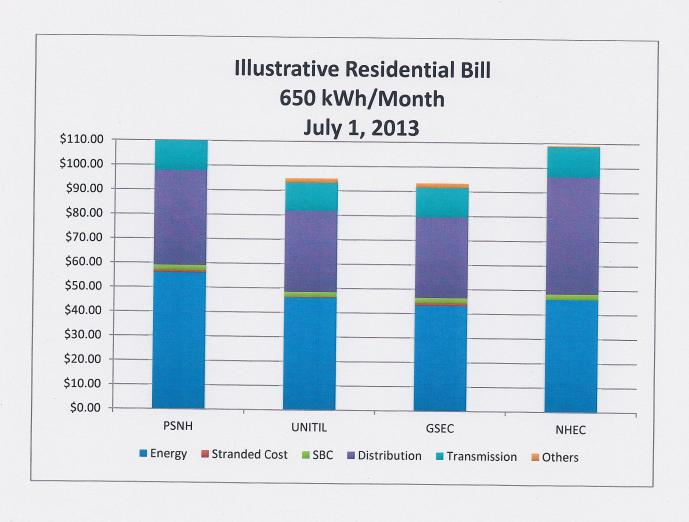
Facilities Added Between July and October 7/17/2013 10/4/2013

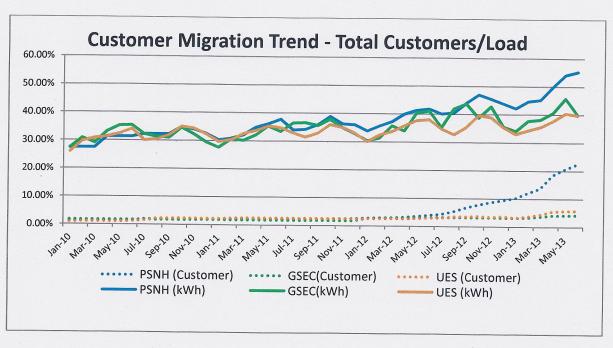
| | Total | | | |
|------------|-------|----------|----------------------|----------|
| Class | count | Total MW | Total count Total MW | Total MW |
| Class I | 53 | 627.1679 | 51 | 627.7379 |
| Class II | 263 | 10.5234 | 239 | 3.230486 |
| Class IIII | 19 | 122.067 | 19 | 122.067 |
| Class IV | 47 | 42.265 | 47 | 40.715 |
| Total | 382 | 802.0233 | 356 | 793.7504 |

The Commission disallowed 64 out-of-state customer sited sources on August 2 representing 9.4139 MW of electric generation.

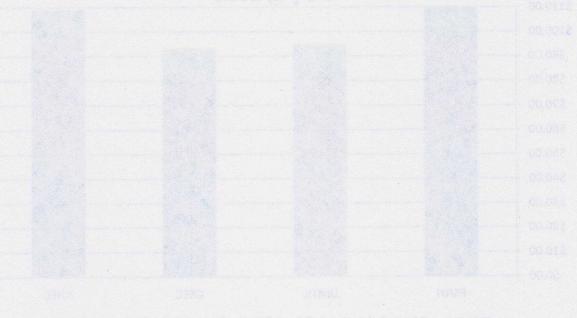
| | | | ממשוחש השאסומלע | | | | | |
|-----------|------|------|-----------------|------|------|------------|-------|-------|
| | 2008 | 2009 | 2010 | 2011 | 2012 | Disallowed | 2013* | Total |
| Class I | 13 | 19 | 6 | 4 | 7 | 2 | 3 | 53 |
| Class II | 4 | 51 | 78 | 25 | 51 | 62 | 06 | 237 |
| Class III | 9 | 6 | 3 | 0 | 1 | 0 | 0 | 19 |
| Class IV | 3 | 3 | 2 | , | 31 | 0 | 7 | 47 |
| Total | 26 | 82 | 92 | 30 | 06 | 64 | 100 | 356 |

Four dockets are currently under review.





Hillestrative Residential Bill 650 kWii/Month



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